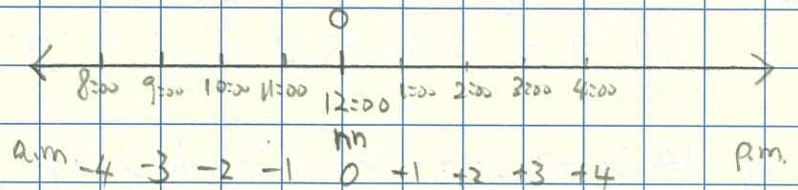


Directed number.

5-9-2011

Ex 1A (8, 9, 10)

8a) 9 a.m.  
= -3 hours

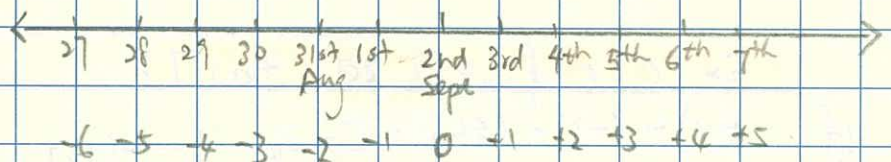


b) 2 p.m.  
= +2 hours

c) 3 a.m.  
= -9 hours

d) 11 p.m.  
= +11 hours

9a) 4th Sept  
= +2 days



b) 30th Aug  
= -3 days

c) 11th Sept  
= +9 days

d) 22nd Aug  
= -11 days

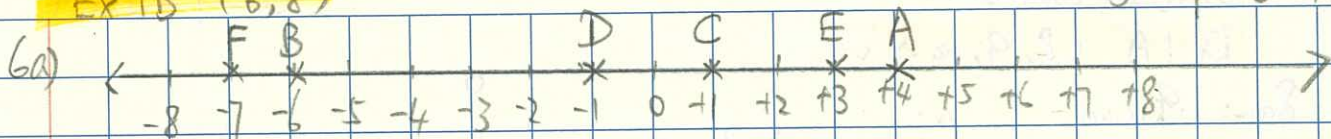
10a) Weigh of Wendy =  $47\text{ kg} - 2\text{ kg} = \underline{45\text{ kg}}$

b) Ken is the heaviest ( $47+7=54\text{ kg}$ ), Patric is the lightest ( $47-9=38\text{ kg}$ )

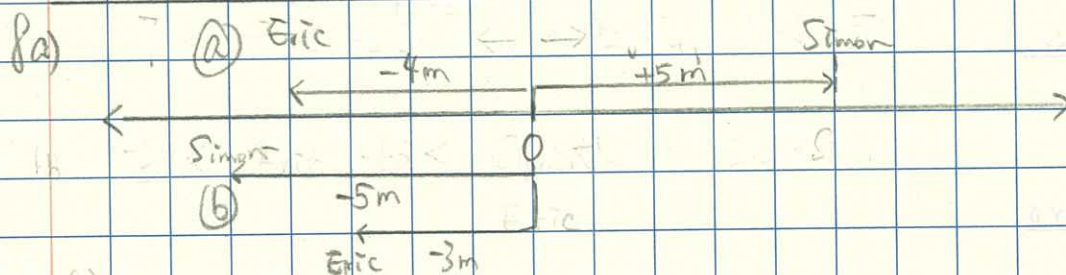
c) Ron's weight is  $42-47 = \underline{-5\text{ kg}}$  of the average weight

Ex 1B (6, 8)

5-9-2011



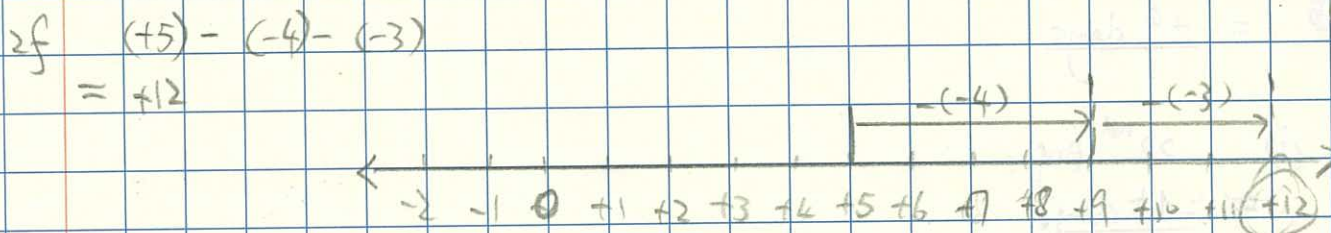
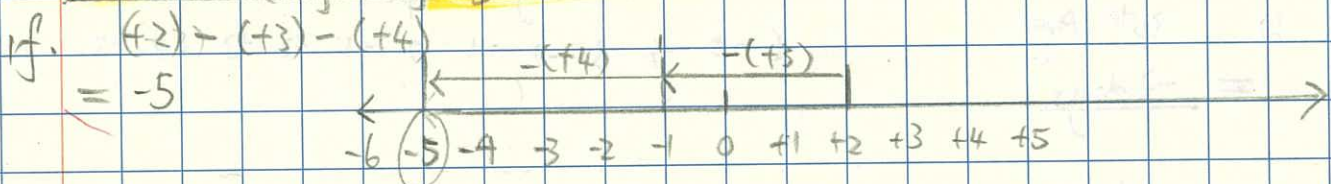
b)  $+4 > +3 > +1 > -1 > -6 > -7$



Simon is on the right side of Eric

b) Simon is on the left side of Eric

Ex 1C (1f, 2f, 3c, 4c, 7)



3c.  $(-5) - (+3)$   
 $= -5 - 3$   
 $= -8$



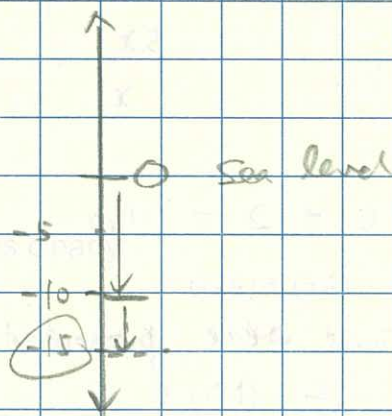
add 😊 → 😊  
 take away 😊 → 😞  
 add 😞 → 😊  
 take away 😞 → 😊

$+(+) = +$   
 $-(-) = +$   
 $+(-) = -$   
 $-(+)= -$

$$\begin{aligned} 4c. & (-2.4) - (-3) - (+4.7) \\ &= -2.4 + 3 - 4.7 \\ &= +0.6 - 4.7 \\ &= -4.1 \end{aligned}$$

$$\begin{aligned} 7. & (-10) + (-5) \\ &= -15 \end{aligned}$$

The driver's location  
 is -15 m



Ex 1D (1a, 1d, 3c, 7)

$$\begin{aligned} 1a) & 1 + 5 - 7 \\ &= 6 - 7 \\ &= -1 \end{aligned}$$

$$\begin{aligned} 1d) & 5 - 8 + 6 - 3 \\ &= -3 + 6 - 3 \\ &= 0 \end{aligned}$$

$$\begin{aligned} 3c & 2 + \left[ \frac{2}{3} - (-7 + 4) \right] \\ &= 2 + \left[ \frac{2}{3} - (-3) \right] \\ &= 2 + \left[ \frac{2}{3} + 3 \right] \\ &= 5\frac{2}{3} \end{aligned}$$

$$7. \text{ Fiona's Score} = -5 + (-8) + (-8) + (-10) + 0 = -5 - 8 - 8 - 10 = -31$$

$$\text{Ella's Score} = -7 + 4 + (-2) + (+2) + (-5) = -7 - 2 - 5 + 4 + 2 = -14 + 6 = -8$$

$$\text{Gigi's Score} = 3 + 0 + 5 + 2 + 1 = 11$$

Gigi won the kitchenware, since she got the highest mark 11, but she next only got -8 and -31



New Trend 1E (3c, 4d, 4f, 5e, 6f, 8c, 10)

3c  $(+7)(-9)$

$$= -(7 \times 9)$$

$$= -63$$

4d  $(-24) \div (-3)$

$$= +(24 \div 3)$$

$$= +8$$

4f

$$\begin{array}{r} -242 \\ -11 \\ \hline \end{array}$$

$$= +(242 \div 11)$$

$$= +22$$

5e  $(-4)(-4)(-15)$

$$(-8)(+5)$$

$$= + \left( \frac{4 \times 4 \times 15^3}{28 \times 5} \right)$$

$$= 6$$

6f  $-(-5) \div (-\frac{1}{3}) \div (+\frac{2}{7}) \times (-2)$

$$= +(5 \times 3 \times \frac{4}{3} \times \frac{2}{7})$$

$$= 40$$

8c  $(-3) - (-2)(+3) - (-3)(-4)(-5)$

$$= -3 + (2 \times 3) + (3 \times 4 \times 5)$$

$$= -3 + 6 + 60$$

$$= 63$$

10. Item A - 250 \$5 Profit

Item B - 300 \$12 Profit

Item C - 420 \$20 Loss

$$250 \times (+5) + 300 \times (+12) + (420 \times -20)$$

$$= +1250 + 3600 - 8400$$

$$= +4850 - 8400$$

$$= -3550$$

The overall loss: \$3550



Total: /30

Check yourself (New Trend S1A (p. 1.38-1.39))

6/9/2013

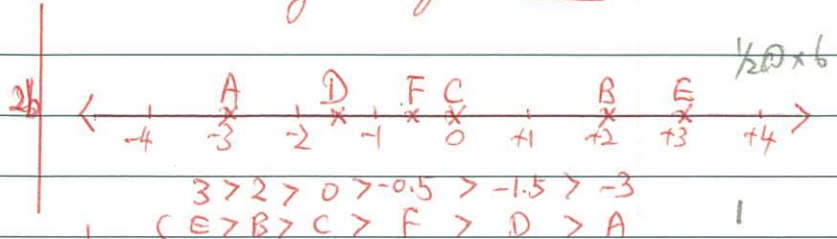
1. a) The temperature in that morning is  $-5^{\circ}\text{C}$

b) The change in temperature was changed by  $-4^{\circ}\text{C}$

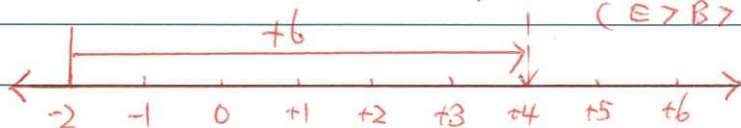
@ 1 x 4 2a)

$$A = -3, B = -2$$

$$C = +1, D = +4$$

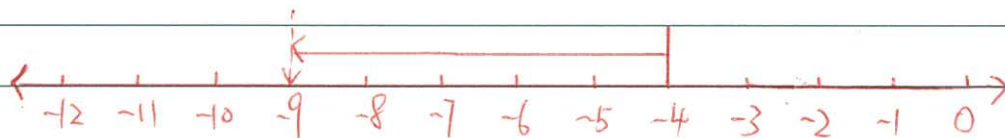


3a)



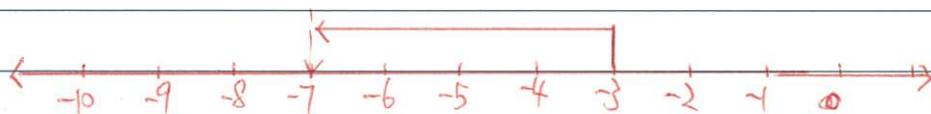
$$(-2) + (+6) = +4$$

3b)



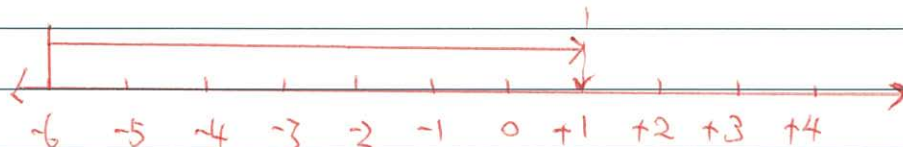
$$(-4) - (+5) = -9$$

4a)



$$(-3) + (-4) = -7$$

4b)



$$(-6) - (-7) = +1$$

5a)  $(+1) + (+5) - (-3)$

$$= 1 + 5 + 3$$

$$= 9$$

6a)  $(+3)(-2)$

$$= -(3 \times 2)$$

$$= -6$$

7a)  $(+8) \div (-2)$

$$= -\frac{8}{2} \quad / \quad -(8 \div 2)$$

$$= -4$$

5b)  $(-4) - [(+4) + (-6)]$

$$= -4 - (-2) = -4 + 2$$

$$= -2$$

6b)  $(-4)(-3)$

$$= +(4 \times 3)$$

$$= 12$$

7b)  $\frac{-3}{-6}$

$$= +(3 \div 6)$$

$$= +0.5$$

$$/ \quad \frac{3}{6} = \frac{1}{2}$$

# New Trend Revision Ex 1 (1a, 1c, 10, 12)

1a	$(-8) \times (+6) \div [(+8) - (+5)]$ $= -(8 \times 6) \div (+8 - 5)$ $= -48 \div (+3)$ $= -\frac{48}{3}$ $= -16$	1c	$\frac{(+12) + [(-5) - (-3)]}{(-3 + 2)(-6)}$ $= \frac{(+12) + (-5 + 3)}{(-1)(-6)}$ $= \frac{+12 - 2}{+6}$ $= \frac{+10}{+6} = \frac{5}{3} = 1\frac{2}{3}$
----	---	----	---

10. Let  $x$  be the number of questions Jimmy attempted

$$(+20) \times 3 + (-10) \times 5 + (-5) \times (x - 8) = 0$$

$$+60 - 50 - 5x + 40 = 0$$

$$-5x + 50 = 0$$

$$-5x = -50$$

$$x = 10$$

$$\text{Cor: } +20 \times 3$$

$$\text{Wong: } -10 \times 5$$

$$\text{Jimmy: } -5 \times (x - 8)$$

$$0$$

$\therefore$  Jimmy attempted 10 questions

12a) At the end of April Healthy company

$$\text{left: } 180000 + (-40000 \times 4)$$

$$= 180000 - 160000$$

$$= \$20000$$

Healthy 180000

$$(-40000) \times 5 \text{ Jan-May}$$

$$(+15000) \times 7 \text{ June-Dec}$$

At the end of April Lively company left:

$$200000 + (5000 \times 3) + (-30000 \times 1)$$

$$= 200000 + 15000 - 30000$$

$$= \$185000$$

Lively 200000

$$(+5000) \times 3 \text{ Jan-Mar}$$

$$(-30000) \times 9 \text{ Apr-Dec}$$

b) At the end of August Healthy company left:

$$20000 + (-40000) + (15000 \times 3) = 20000 - 40000 + 45000 = \$25000$$

At the end of August Lively company left:

$$185000 - (30000 \times 4) = 185000 - 120000 = \$65000$$

$\therefore$  Lively company has more cash left.

c) Let the monthly profit or loss be \$x for cheerful company.

$$220000 + (8x) = 65000$$

$$8x = 65000 - 220000$$

$$8x = -155000$$

$$x = -19375$$

$$\left( \begin{array}{l} \text{begin } \$220000 \\ \text{ending } \$65000 \end{array} \right)$$

3

$\therefore$  The cheerful company made \$19375 loss each month.